

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application.

Listing of Claims:

Claim 1. (currently amended) A retrofittable, wireless power supply device not requiring a wired connection to an external source of electrical power, for powering a personal computer, comprising:

a power generation module housing having a form factor equal to that of a form factor of a conventional wired power supply device that the retrofittable power supply device is adapted to replace, the conventional wired power supply device being adapted to receive electrical power from the external source of electrical power over a wired connection;

a self-contained power generation module disposed within the power generation module housing, the power generation module comprising:

a DC power generator capable of generating DC power for use in an electronic device including for use in the personal computer, the DC power generator comprising a liquid catalytic proton exchange membrane module fuel cell and a water retention mechanism, and

a DC/AC converter that generates AC output power using the generated DC power for use in the personal computer or peripheral devices connected with the personal computer; and

one or more AC power output connections,

wherein the retrofittable wireless power supply device being retrofitably insertable into the framework of the personal computer normally occupied by the conventional wired power supply after removal, does not require a wired connection to an external source of electrical power, and replaces the wired power supply device during operation of the personal computer.

Claims 2-5. (canceled)

Claim 6. (currently amended) A retrofittable power supply not requiring a wired connection to an external source of electrical power for use in a personal computer electronic device, comprising:

means for housing the retrofittable power supply device, the means for housing having a form factor equal to that of a wired power supply device used in the personal computer electronic device that the retrofittable power supply device is adapted to replace;

means for generating power for use in the personal computer electronic device, comprising:

self-contained means for generating liquid catalytic proton exchange membrane module fuel cell means for generating DC power and a water retention means, and

means for converting the generated DC power to AC power for use in the personal computer electronic device or peripheral devices connected with the personal computer electronic device;
and

means for outputting the AC power;

the retrofittable wireless power supply device being retrofitably insertable into the framework of the personal computer electronic device normally occupied by the conventional wired power supply after removal, does not require a wired connection to an external source of electrical power, and replaces the wired power supply device during operation of the personal computer electronic device.

Claims 7-13 (canceled)

Claim 14. (new) A retrofittable, wireless power supply as in Claim 1, wherein when the power supply ceases to be able to generate power due to depletion of a fuel for the fuel cell, the retrofittable power supply being either replaced with a second replacement retrofittable power supply having a fully charged fuel cell; or being removed from the personal computer, refilled with fuel and then replaced in the personal computer.

Claim 15. (new) A retrofittable, wireless power supply as in Claim 14, wherein the fuel comprises methanol.

Claim 16. (new) A retrofittable, wireless power supply as in Claim 6, wherein when the power supply ceases to be able to generate power due to depletion of a fuel for the fuel cell, the retrofittable power supply being either replaced with a second replacement retrofittable power supply having a fully charged fuel cell; or being removed from the personal computer, refilled with fuel and then replaced in the personal computer.

Claim 17. (new) A retrofittable, wireless power supply as in Claim 16, wherein the fuel comprises methanol.